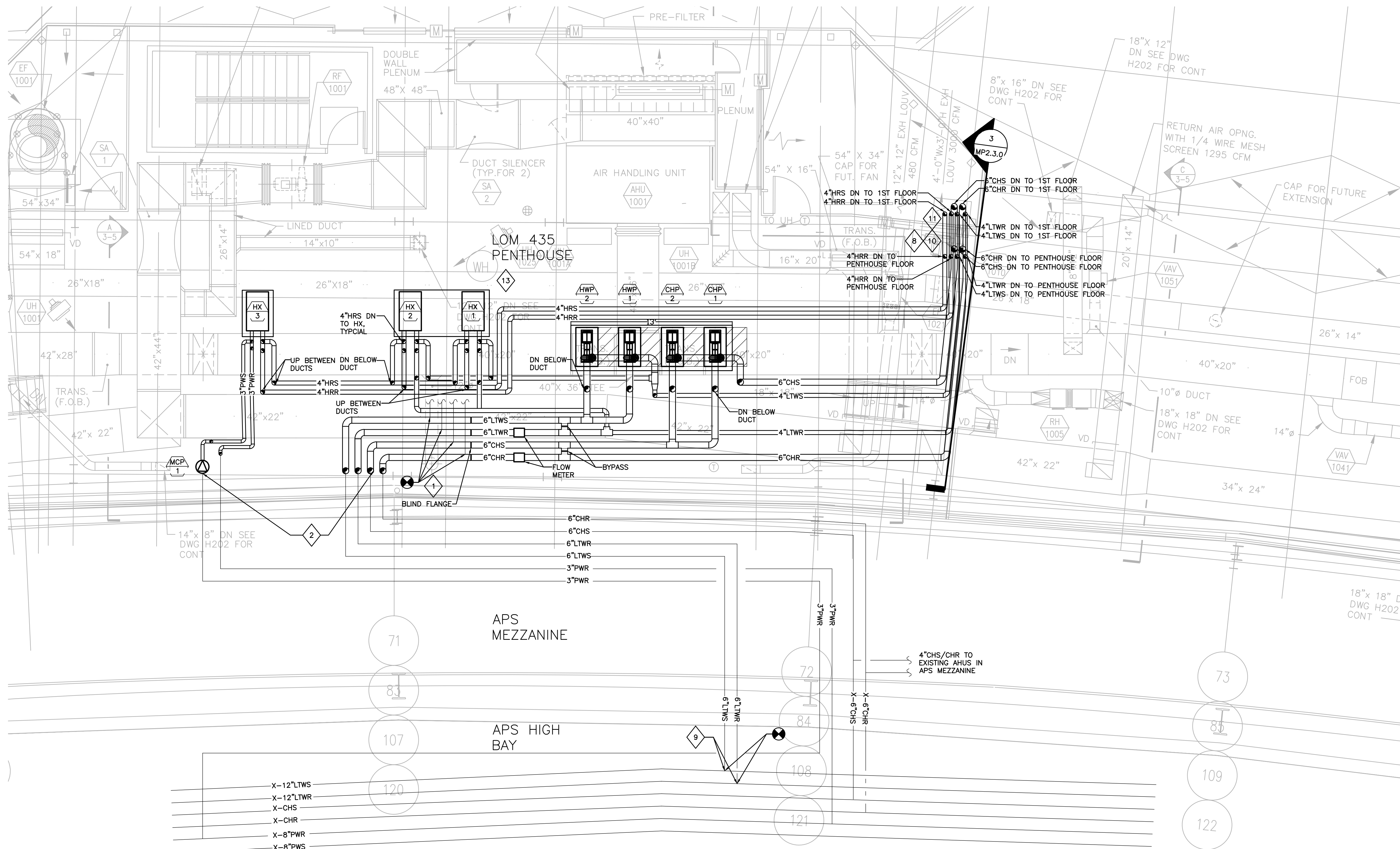
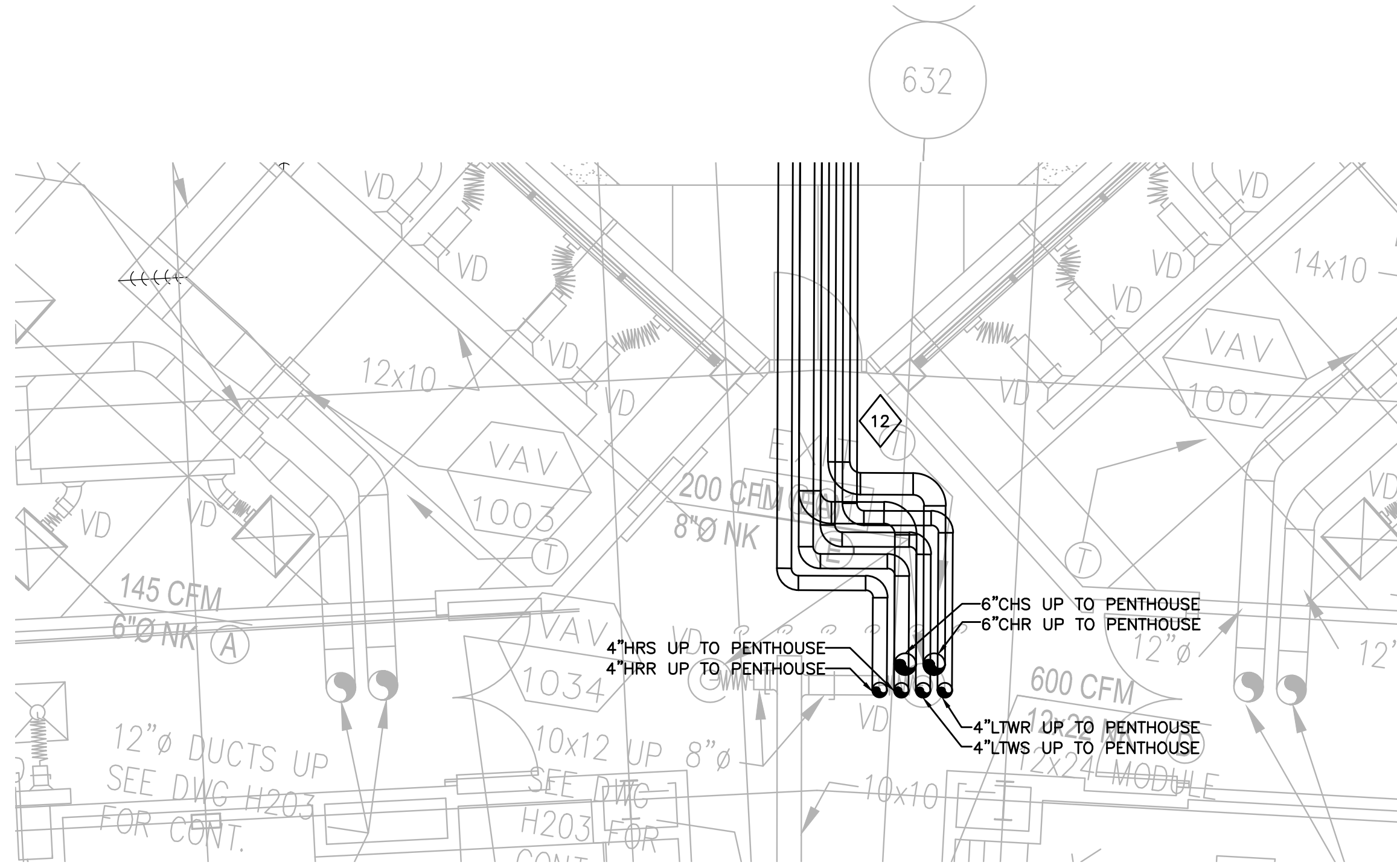


3 LOM 435 MECHANICAL SECTION
SCALE: 1/4" = 1'-0"



1 LOM 435 MECHANICAL PENTHOUSE PIPING PLAN
SCALE: 1/4" = 1'-0"

PLAN NOTES:

- 1 RECONNECT EXISTING LOW TEMPERATURE HEATING WATER PIPING AND CHILLED WATER PIPING TO EXISTING PIPING WITHIN LOM 435 PENTHOUSE.
- 2 CONNECT TO EXISTING CHILLED WATER, HOT WATER AND MAGNET COOLING WATER PIPING.
- 3 NOT USED
- 4 NOT USED
- 5 NOT USED
- 6 NOT USED
- 7 NOT USED
- 8 DROP PIPING BETWEEN EXISTING DUCTWORK AND EXHAUST FAN.
- 9 NOT USED

- 10 ROUTE PIPING DOWN TO JUST ABOVE FLOOR. COORDINATE LOCATION WITH EXISTING DUCTWORK AND EXHAUST FAN.
- 11 ROUTE PIPING IN NEW ARCHITECTURAL ENCLOSURE. SEE ARCHITECTURAL SHEETS FOR DETAILS.
- 12 SEE SHEET MP2.1.0B FOR CONTINUATION.
- 13 RELOCATE EXISTING ELECTRICAL DISCONNECT IF REQUIRED TO INSTALL NEW HEAT EXCHANGERS.

GENERAL NOTES:

1. COORDINATE ALL UTILITY SHUT DOWNS WITH AREA 400 FACILITIES PRIOR TO BEGINNING WORK.
2. APS MECHANICAL MEZZANINE AND LOM 435 MECHANICAL PENTHOUSE IS CONGESTED SPACE. NOT ALL EQUIPMENT, PIPING, DUCTWORK, ETC. IS SHOWN ON THIS PLAN.
3. INSTALL ALL NEW EQUIPMENT, PIPING, ETC. SO THAT IT DOES NOT INTERFERE WITH CLEARANCE TO OTHER EQUIPMENT OR HEAD CLEARANCE.
4. INSTALL PIPING WITHIN LOM 435 PENTHOUSE AS HIGH AS POSSIBLE AND ABOVE EXISTING DUCTWORK. AT SOME LOCATIONS IT MAY BE REQUIRED TO MOVE LIGHTS OR OTHER SYSTEMS TO INSTALL PIPING. ALL EXISTING LIGHTS AND SYSTEM SHOULD BE REINSTALLED AFTER PIPING IS INSTALLED.

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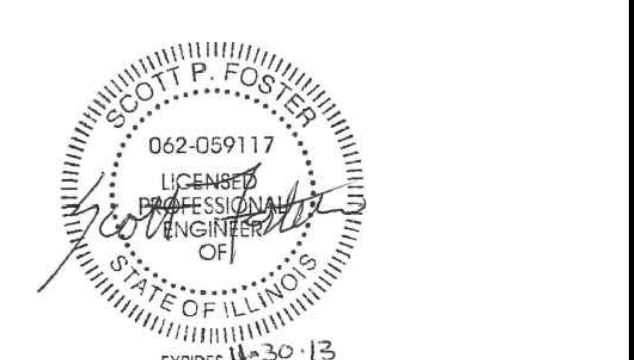
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SEALS AND SIGNATURES



ISSUED FOR REVIEW AND APPROVAL

REV. NO. DESCRIPTION BY APVD DATE

Argonne
NATIONAL LABORATORY

FMS
Facilities Management Services

PROJECT TITLE ADVANCED PROTEIN
CRYSTALLIZATION FACILITY,
ARGONNE NATIONAL LABORATORY

PROJECT NO. 08541-00

DRAWING TITLE

LOM 435 MECHANICAL
PENTHOUSE PIPING PLAN

DESIGNED	AEI CAD FILE	FACILITY
AEI	MP2.3.0	(NO)
DRAWN	AEI DWG. NO.	
AEI	MP2.3.0	
CHECKED	CAD NO.	
AEI		
PROJECT MANAGER	DWG STATE	
ANL - JESSE ADAMS	BND ORDER	
DATE - 05/06/11		
FACILITY DOCUMENT NUMBER		
J446-101-W-	MP2.3.0.0	
		REV. NO.